

OPTICAL CAP FOR SEMICONDUCTOR DEVICE

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ABSTRACT OF THE DISCLOSURE

10 An optical cap for semiconductor device, the cap  
comprising: a metal cap body having an opening and a  
transparent optical window sealed with the metal cap body  
to cover the opening by means of a sealing member. The  
sealing member includes a bismuth low-melting point glass  
containing no lead, an intermediate metal layer attached  
to the metal cap body, the intermediate metal layer being  
15 a metal capable of causing a eutectic reaction with  
respect to Bi contained in the low-melting point glass,  
and an eutectic alloy layer thus formed between the low-  
melting point glass and the intermediate metal layer.